MODEL 66500A /66510A

5 TON / 10 TON AIR/HYDRAULIC FLOOR JACK

USER'S MANUAL

*This hydraulic jack conforms to all "ANSI / ASME" safety standards.

South El Monte, CA

888-452-2526

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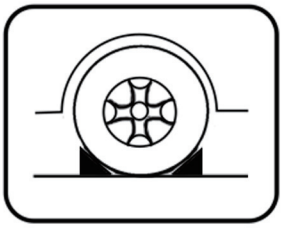
FOR YOUR SAFETY

⚠ WARNING

- Read these safety instructions carefully and keep this manual in an easy to find place as you may need to use it again.
- Non-compliance with these rules may result in injury or damage to the jack or the vehicle.
- Do not modify the jack in any way.
- Never exceed the rated capacity of the jack.
- This jack is a lifting device only and should never be used to move the vehicle.
- The jack should be supported on a solid and level ground. Never use the jack in a surface where it may sink into the ground.
- Ensure that there are no persons inside the vehicle to be lifted. Switch off the engine and apply the brake.
- Position the jack under the manufacturer's recommended lifting point for the vehicle. Off-centered loads can slip and accidents may result.
- During raising and lowering of the load, precautions should be taken to avoid movement of the vehicle. Traffic may cause the raised vehicle to rock during roadside use of the jack.
- Never work under a raised vehicle without supporting it with mechanical/jack stands.
- Never position any part of your body near the movable parts of the jack.
- Ensure that there are no persons or obstructions underneath the vehicle prior to lowering.
- Do not adjust the overload bypass valve under any circumstance.



Use wheel chocks appropriately.

SPECIFICATION

Capacity:	5 Ton	Lifting Height :	410 mm / 16.1 inch
Max Height :	560 mm/ 22 inch	Gross Weight	106 kg/ 233 lbs
Min Height :	150 mm / 5.9 inch	Net Weight :	92 kg / 202 lbs

Capacity:	10 Ton	Lifting Height :	400 mm / 15.7 inch
Max Height :	560 mm / 22 inch	Gross Weight	156 kg / 343 lbs
Min Height :	160 mm / 6.2 inch	Net Weight :	139 kg / 306 lbs

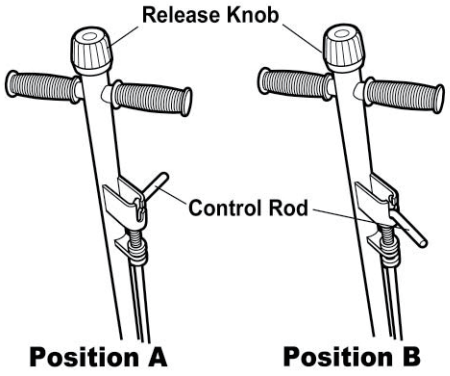
SETUP

Assemble the handle

1. Loosen the bolt on the handle socket.
2. Insert the handle.
3. Tighten the bolt.

Bleed Air From the Service Jack

Air can accumulate within a hydraulic system during shipment or after prolonged use. This entrapped air causes the jack to respond slowly or feel “spongy”
To remover the air:
1. Open the release valve by turning the release knob counterclockwise.
2. Pump the jack handle six full strokes.
3. Close the release valve by turning release know clockwise.
4. If the jack does no immediately respond, respond, repeat Steps1-3.



OPERATING INSTRUCTION

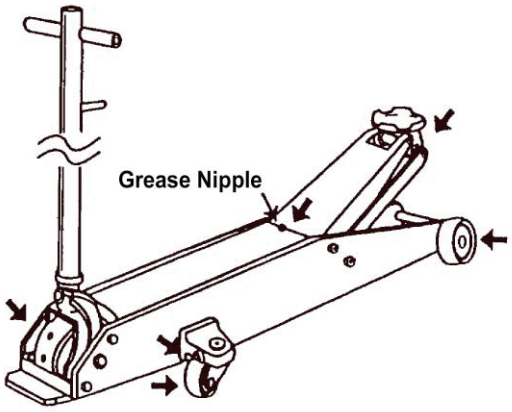
(Refer to the illustration above)

Control Rod in Position A: Allows you to pump the jack using the handle.
Control Rod in Position B: Locks the handle in place in three different positions.

1. Connect the shop air supply to the jack (shop air should be clean, dry and regulated at 85-120 psi)
2. Turn release knob completely counterclockwise, and place the control rod in position A.
3. Position the jack under the vehicle using the manufacture’s recommended lifting points on the chassis. The jack must be free to roll without any obstructions while lifting or lowering the vehicle. The wheels of the vehicle must be in the straight-ahead position, with the emergency brake released.
4. Turn the release knob on the jack completely clockwise. Operate the air valve, pump the jack handle, or pump the food pedal until the saddle touches the vehicle. Check the placement of the saddle lugs. Finish lifting the vehicle.
5. Place approved safety stands under the vehicle at points that will provide support. Before working on the vehicle, SLOWLY lower the vehicle onto the safety stands by turning the release knob counterclockwise.

Preventive Maintenance

Important: Dirt is the greatest single cause of failure in hydraulic units. Keep the service jack clean and well lubricated to prevent foreign matter from entering the system. If the jack has been exposed to rain, snow, sand or grit, it must be cleaned before it is used.



- Store the jack in a well-protected area where it will not be exposed to corrosive vapors, abrasive dust, or any other harmful elements.
- Refer to the illustration, and regularly (at least once per month) lubricate the moving parts shown.
- Add grease to upper arm grease nipple (shown) every three months.
- If necessary, add approved anti-wear hydraulic jack oil. Important: the use of alcohol, hydraulic brake fluid, detergent motor oil, or transmission oil could damage the seals and result in jack failure.
- Inspect the jack before each use. Take corrective action if any of the following problems are found:

a. Cracked or damaged frame

b. excessive wear , bending, or other damage

c. Leaking hydraulic fluid

d. Scored, damaged piston rod

e. Malfunctioning swivel heads or adjusting screws

f. Loose hardware

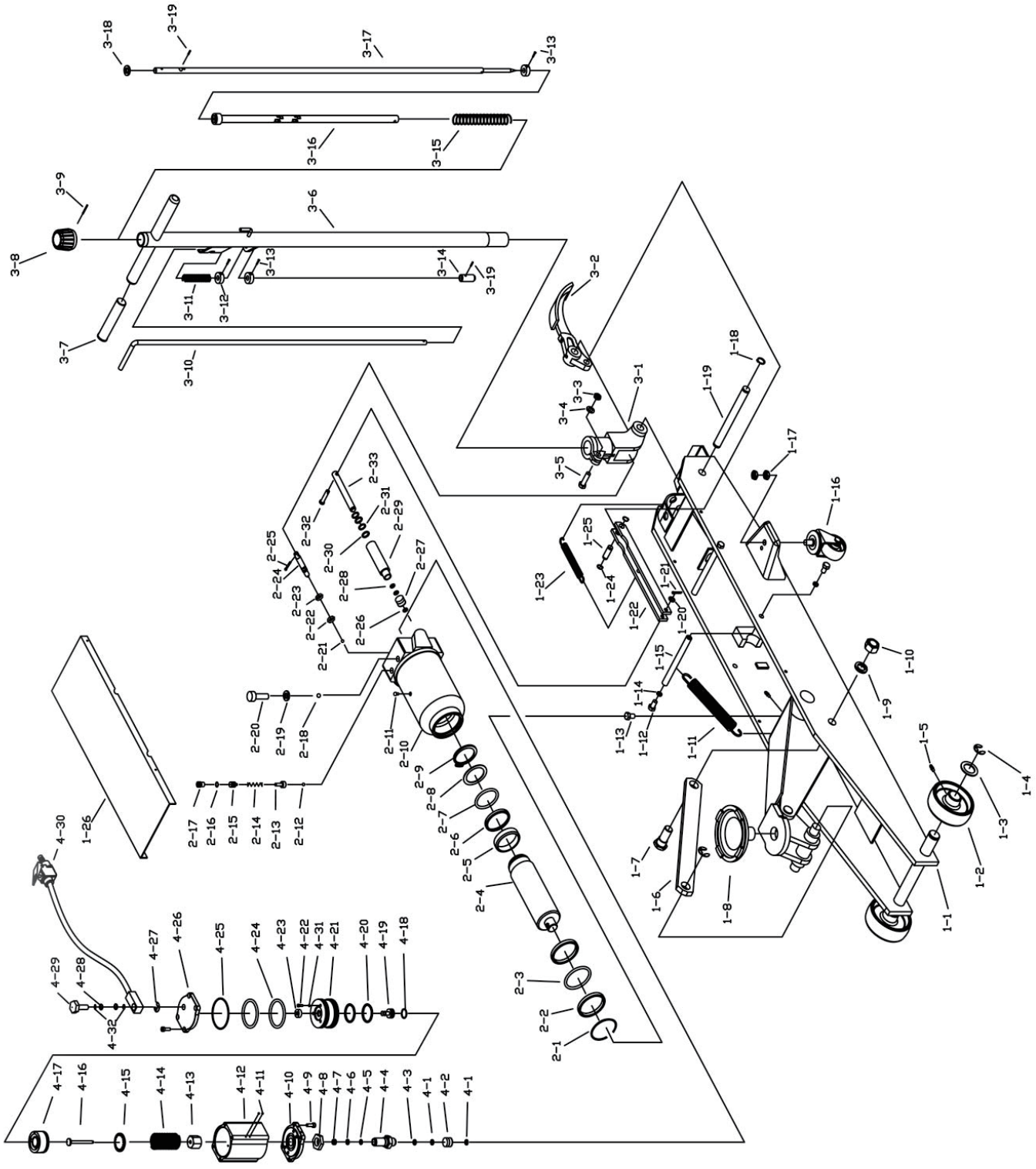
g. Modified or altered equipment

TROUBLESHOOTING

Caution: To prevent personal injury, all inspection, maintenance, and repair procedures must be performed when the jack is free of load.

Trouble	Cause	Solution
Jack does not lift	1. Release valve is open 2. Low/ no oil in reservoir 3. Air-locked system 4. Load is above capacity of jack. 5. Delivery vale and/or bypass valve not working correctly. 6. Packing worn out of defective. 7. Leak in air line 8. Inadequate air pressure.	1. Close release valve. 2. Fill with oil and bleed system. 3. Bleed system. 4. Use correct equipment. 5. Clean to remove dirt or foreign matter. Replace oil. 6. Install seal kit. 7. Locate leak; tighten connections 8 Set air pressure to 85-120 psi
Jack lifts only partially	1.too much or not enough oil	1.Check oil level
Jack advances slowly	1. Pump not working correctly. 2. Leaking seals.	1. Install seal kit, or replace power unit. 2. Install seal kit.
Jack lifts load, but doesn't hold	1. Cylinder packing is leaking. 2.Valve not working correctly (suction, delivery, release, or bypass) 3. Air-locked system.	1. Install seal kit. 2. Inspect Calves. Clean and repair seat surfaces. 3. Bleed system.
Jack leaks oil	1. worn or damaged seals	1. install seal kit
Jack Will not retrack	1. Release valve is closed	1.open or clean release valve.
Air motor won't run or runs erratically	1. Leak in air line. 2. Inadequate air pressure 3. Air piston is sticking	1. locate leak, tighten connections, or replace hose. 2. Set air pressure to 85-120 psi. 3. Lube air motor by adding a small amount of oil to jack's air inlet

PARTS LIST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Part No.	Description	Q'ty	Part No.	Description	Q'ty	Part No.	Description	Q'ty
1-1	Frame	1	2-12	Steel ball	1	3-16	Universal Joint ass'y	1
1-2	Front wheel	2	2-13	Ball seat	1	3-17	Convey Rod	1
1-3	Washer	2	2-14	Spring	1	3-18	Washer	1
1-4	Snap ring	4	2-15	Screw	1	3-19	Pin	2
1-5	Grease fitting	3	2-16	Sealing washer	1	4-1	Copper Washer	2
1-6	Rod link	2	2-17	Bolt	1	4-2	Oil Valve Body	1
1-7	Bolt	2	2-18	Steel ball	1	4-3	Nylon gasket	1
1-8	Saddle	1	2-19	Copper washer	1	4-4	Pump cylinder	1
1-9	Lock washer	2	2-20	Bolt	1	4-5	Oil seal	1
1-10	Nut	2	2-21	Steel ball	1	4-6	Washer	1
1-11	Spring	1	2-22	O-ring	1	4-7	Copper Washer	1
1-12	Bolt	2	2-23	O-ring	1	4-8	Nut	1
1-13	Bolt	1	2-24	Release valve rod	1	4-9	Bolt	8
1-14	Snap ring	2	2-25	Pin	1	4-10	Front cover	1
1-15	Shaft	1	2-26	Copper washer	2	4-11	Steel ball	4
1-16	Rear wheel	2	2-27	Oil valve body	1	4-12	Air pump housing	1
1-17	Nut	4	2-28	Nylon gasket	1	4-13	Nut	1
1-18	Snap ring	2	2-29	Cylinder pump	1	4-14	Spring	1
1-19	Shaft	1	2-30	O-ring	2	4-15	Washer	1
1-20	Washer	1	2-31	Washer	2	4-16	Cylinder pump plunger	1
1-21	Pin	1	2-32	Pin	1	4-17	Piston body A	1
1-22	Connection bar	1	2-33	Cylinder Pump Plunger	1	4-18	O-ring	1
1-23	Spring	1	3-1	Handle socket	1	4-19	Air release rod	1
1-24	Snap ring	2	3-2	Pedal	1	4-20	O-ring	2
1-25	Shaft	1	3-3	Nut	1	4-21	Piston body B	1
1-26	Cover board	1	3-4	Washer	1	4-22	Bolt	3
2-1	Snap ring	1	3-5	Bolt	1	4-23	Air seal	1
2-2	Washer	2	3-6	Handle	1	4-24	O-ring	2
2-3	O-ring	1	3-7	Sleeve	2	4-25	O-ring	1
2-4	Piston rod	1	3-8	Knob	1	4-26	Rear cover	1
2-5	Piston ring	1	3-9	Pin	1	4-27	Snap ring	1
2-6	Sealing washer	1	3-10	Control nod	1	4-28	Snap ring	1
2-7	O-ring	1	3-11	Spring	1	4-29	O-ring	2
2-8	O-ring retainer	1	3-12	Washer	3	4-30	Air valve	1
2-9	Snap ring	1	3-13	Screw	3	4-31	O-ring	3
2-10	Oil cylinder ass'y	1	3-14	Rod Joint	1	4-32	Nylon gasket	2
2-11	Oil filler plug	1	3-15	Spring	1			

LIMITED ONE YEAR WARRANTY

Jackco Transnational Inc. warrants all Jackco equipment and tools to the original purchaser against any manufacturing defect in material or workmanship for a period of one (1) year from the original date of purchase. If the defective equipment or tool is determined to be covered under this warranty, it shall be repaired or replaced at manufacturer's discretion without charge, provided that the equipment or tool must be returned with proof of purchase to the dealer and freight prepaid, if returned to the manufacturer. This warranty shall not apply to damage due to accident, negligent use, and lack of maintenance, abuse or applications other than the specific function the equipment or tool is designed for.

No other warranties, expressed or implied, including those of merchantability or fitness for particular purpose shall be applicable to Jackco except as specifically stated herein. In no event shall Jackco be liable to any party for any special, direct, indirect, consequential, punitive damage of any nature caused by the sale or use of the equipment or tool.

Note: This warranty gives the original purchaser specific legal rights which may very from state to state.

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